**Solve the equation.**

1. |3x – 2| + 3 = 7 2. |x – 2| + 5 = 5 3. 4x4 + 10x3 = 6x2 + 15x

 4. y4/3 = -3y 5. 2 + $\sqrt[3]{1-5t}$ = 0 6. $\sqrt[4]{2x^{2}-1}=x$

 7. 3$\sqrt{2x-3}$ + 2$\sqrt{7-x}$ = 11 8. $x=3+\sqrt{5x-9}$ 9. $\sqrt{7-2x }- \sqrt{5+x}=\sqrt{4+3x}$

11. $2\sqrt{x}-\sqrt{x-3}=\sqrt{5+x}$ 12. $\sqrt{1+4\sqrt{x}}=\sqrt{x}+1$ 13. 2x4 – 10x2 + 8 = 0

14. 36x-4 – 13x-2 + 1 = 0 15. 2y1/3 – 3y1/6 + 1 = 0 16. 27x3 = (x + 5)3

**Find the real solutions of the equation.**

17. (a) x5/3 = 32 (b) x4/3 = 16 (c) x2/3 = -36 (d) x3/4 = 125 (e) x3/2 = -27